

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev 2-32) PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)	ATTY. DOCKET NO.: 108314	SERIAL NO.:
	APPLICANT: AKPORIAYE et al.	
	FILING DATE:	GROUP ART UNIT:

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,304,354	4/94	Finley et al.	422	196	11/30/92
		5,489,726	2/96	Huss, Jr. et al.	585	671	4/26/94
		5,609,826	3/97	Cargill et al.	422	99	4/17/95
		5,612,002	3/97	Cody et al.	422	131	4/28/95
		5,746,982	5/98	Saneii et al.	422	134	2/29/96
		5,766,556	6/98	DeWitt et al.	422	131	12/31/96
		5,785,927	7/98	Scott et al.	422	104	10/24/96
		5,792,431	8/98	Moore et al.	422	134	5/30/96

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	NAME	INT'L CLASS	TRANSLATION
		WO96/11878-A1	4/96		Schultz et al.	CO1G 51.04	YES
		WO97/30784-A1	8/97		Gani et al.	BO1J 19/00, C07K 1/04	YES
		WO97/32208-A1	9/97		Willson	HO1J49/100	YES
		WO98/07026-A1	2/98		Windhab et al.	GO1N 31/10 25/22	YES
		WO98/36826-A1	8/98		Wendelbo et al.	IPC6:NBOIJF 3/00 C30B F29/34	YES
		WO99/19724-A1	4/99		Atkins et al	GO1N 31/10	YES
		WO99/34206-A1	7/99		Maier et al.	GO1N 33/10	YES

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

			Akporiaye, D. E.; Dahl, I. M.; Karlsson, A.; Wendelbo, R. <i>Angew Chem. Int. Ed.</i> <b>1998</b> , <i>37</i> , 609-611
			Holzwarth, A.; Schmidt, H.; Maier, W. F. <i>Angew. Chem. Int. Ed.</i> , <b>1998</b> , <i>37</i> , 2644-2647
			Bein, T. <i>Angew. Chem. Int. Ed.</i> , <b>1999</b> , <i>38</i> , 323-326
			Taylor, S. J.; Morken, J. P. <i>Science</i> , April <b>1998</b> , <i>280</i> (10), 267-270
			Senkam, S. M. <i>Nature</i> , July <b>1998</b> , <i>384</i> (23), 350-353
			Cong, P.; Doolen, R. D.; Fan, Q.; Giaquinta, D. M.; Guan, S.; McFarland, E. W.; Poojary, D. M.; Self, K.; Turner, H. W.; Weinberg, W. H. <i>Angew Chem. Int. Ed.</i> <b>1999</b> , <i>38</i> , 484-488
			Klien, J.; Lehmann, C. W.; Schmidt, H.; Maier, W. F. <i>Angew Chem. Int. Ed.</i> <b>1998</b> , <i>37</i> , 3369-3372
EXAMINER			DATE CONSIDERED

<div>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</div> <div>(use as many sheets as necessary)</div>	Complete if Known	
	Application Number	
	Filing Date	
	First Named Inventor	DUNCAN E. AKPORIAYE et al.
	Art Unit	
	Examiner Name	
	Attorney Docket Number	108314

U.S. PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NUMBER	PUBL. DATE	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4,014,657	377	Gryaznov et al.	23	288R	5/25/72
		5,405,586	422	Koves	422	218	6/30/94
		6,063,633	5/00	Willson et al.	436	37	6/17/96
		6,342,185 B1	1/02	Dahl et al.	422	82.12	12/15/99
		6,576,196 B1	6/03	Akporiaye et al.	422	82.12	12/15/99
		6,368,865 B1	4/02	Dahl et al.	436	37	12/15/99

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	NAME	Class	TRANSLATION	
							YES	NO
		DE 198 09 477A1	9-16-99	Germany	Schuth	GO1N 31/10	X	
		WO 98/52685	11/26/98	PCT	Kayser	BO1J 19/00	X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

			Schoubye, Peter, <i>Journal of Catalysis</i> , 1969, 14, 238-216
			Rouco, A.J., <i>Journal of Catalysis</i> , 1995, 157, 380-387
			Johnson et al. <i>Industrial and Engineering Chemistry</i> , 1953, 45, 849-855,
EXAMINER			DATE CONSIDERED

(Above references are attached hereto unless provided during the prosecution of parent application S.N. 09/464,313 filed 12/15/99)

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

			P.H. Johnson et al. Ind. Eng. Chem 1953, 45, 849-855
			C.J. Norton et al. Priprints 0- Am. Chem. Soc. Div. Petrol. Chem. 1964, 9, 129-138
			S. Hovmand et al, Trans. Inst. Chem. Eng. 1971, 49, 149-162
			J. M. Berty in "Applied Industrial Catalysts " Vol. 1, 1983, Academic Press: New York, pages 41-67
			R. Font et al, Ind. Eng. Chem. Prod. Res. Dev. 1986, 25, 491-496
			L. Garcia et al, Energy & Fuels 1998, 139-143
EXAMINER			DATE CONSIDERED